a motor rotor having salient poles of metal magnetic material, which is highly resistant to corrosion, each of said salient poles being a protrusion portion of unitary formed rotating body;

a motor stator having magnetic poles, said stator being covered by synthetic resin material having a surface positioned radially inwardly of an inner circumferential surface of said stator, which is highly resistant to corrosion;

wherein said salient poles of the motor rotor are attracted to rotate by magnetic forces generated by said poles of said stator.

2. (Amended) A gas transfer machine according to claim 1, wherein said stator is embedded in a molded body of said resin material.

3. (Amended) A gas transfer machine according to claim 1, wherein said resin material comprises a can of synthetic resin or nonconductive material.

4. (Amended) A gas transfer machine according to claim 1, wherein said metal magnetic material comprises a magnetic alloy of iron and nickel.

5. (Amended) A gas transfer machine according to claim 1, wherein said metal magnetic material comprises permalloy.

B' cancel'd.

7. (Amended) A gas transfer machine according to claim 1, wherein said resin material highly resistant to corrosion comprises a can of synthetic resin or nonconductive material.

Please **ADD** the following new claims:

B2 cont

11. (New) A gas transfer machine for transferring a gas including a corrosive gas, comprising:

a pump rotor mounted on a rotatable shaft for transferring a gas including a corrosive gas;

a reluctance-type motor for rotating said rotatable shaft about its own axis directly coupled thereto, said pump rotor and said motor being disposed in a housing;

sub C8

a motor rotor having salient poles of metal magnetic material, which is highly resistant to corrosion, each of said salient poles being a protrusion portion of unitary formed rotating body, each of said salient poles having a permanent magnet enclosed within said protrusion portion of said unitary formed rotating body;

a motor stator having magnetic poles, said stator being covered by synthetic resin material having a surface positioned radially inwardly of an inner circumferential surface of said stator, which is highly resistant to corrosion;

wherein said salient poles of the motor rotor are attracted to rotate by magnetic forces generated by said poles of said stator.

12. (New) A gas transfer machine according to claim 9, wherein said stator is embedded in a molded body of said resin material.

B3 cmd'd.

13. (New) A gas transfer machine according to claim 9, wherein said resin material comprises a can of synthetic resin or nonconductive material.

Sub C3 cmd'd.

14. (New) A gas transfer machine according to claim 9, wherein said metal magnetic material comprises an alloy of iron and nickel.

15. (New) A gas transfer machine according to claim 9, wherein said metal magnetic material comprises permalloy.

16. (New) A gas transfer machine according to claim 9, wherein said resin material highly resistant to corrosion comprises a can of synthetic resin or nonconductive material.